

# Resource Adequacy Assessment Standards



# Background

- Standards drafted by the Regional Entities (MRO and RFC) in order to require a Resource Adequacy or Loss of Load Expectation study that will determine reserve levels to maintain a reliable system
- Standards require the documentation of a study that determines reserve levels, holding of reserves and performance of the study are governed by the Midwest ISO Tariff
  - Resource Adequacy Assessment Standards themselves cannot require LSE's to procure resources to a minimum level, only that a study be performed.

# Standards Govern

- These standards govern the attributes that a Resource Adequacy or Loss of Load Expectation study must consider
  - Load Forecast Uncertainty
  - Unit Availability
  - Transmission Limitations
- Standard also codifies the LOLE benchmark of 1 day in 10 years at which to determine reserve levels
- The frequency of study performance is outlined in different ways with a report necessary annually

# Current Standards

- MRO Standard: RES-501-MRO-02
  - Approved by the board of directors in December of 2007 as version 01, currently under revision.
- RFC Standard: BAL-502-RFC-01
  - Initially approved by the board in March of 2006, currently under revision.

# Recent Changes

- Originally applicable to the Load Serving Entities within each footprint the standards are currently being revised to apply to the Planning Coordinator
- This shift was facilitated by the LSEs within each Regional Entity as they believed the Planning Coordinator would have more ready access to the information necessary to perform a study
- The Midwest ISO is a Planning Coordinator and is currently performing a LOLE study under Module E of the Tariff which is in compliance with Regional Entity Standards.